

## Product datasheet for **RG226059**

### **FAM178B (NM\_001122646) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FAM178B (NM_001122646) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM178B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG226059 representing NM\_001122646  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGGGCCCCAGGAGACGGTCTAGCCCTTCTCTGAGAGAAGGGTGCAGGCTGCCGCCACCGTGC  
 CCATCCTCCTGTACAACCTGGAGGATGGCTTGTACAGACCATCCCCGGACCAGGGGCCCCCGCTGCCCTGC  
 CCGGCGGCCCTGCAGCCCTGCCTCGGCTCCAGCTCCCACATCGCCAAAGAAGCCCAAGATACAGGCACCT  
 GGGGAAACGTTTCCCACTGACTGGAGCCCCCGCCCGTGAATTCCTCAACCCGAGGGTGTGCAGGCCA  
 GTCGGGAGGCCCGGCCAGAGGTGGTGGTGTGGTGGGCCCCAGGGCCTGAGGAGACTGGTGGTGA  
 GCTGCCGAGGAGTTGGAGCAGGAACACCTGGACTTGGACCCGAAGAGGGGCTGGCCTTCCAGAGAAG  
 CTGTTCTGGAACACGTCAGGCCTGAGCCAGCAGGCTGCGGCCCAGAGTTTTCTGGGGGGCTCAGGAA  
 GCTACTTCAACAACCTGGACTACTTACTGCAGGAGAAGAGGGAACAGGCCCTGGAGCAGGAGCGAGAGAG  
 GCTGCTTCTGCAGGAGTGTCTCACTCAACTCCTTGGATCTTGATGAAGAGGAAGTCCACTCACACCC  
 GAGCACAGGATGCTGGTGGAAAAGTACTCAGTGTCCCTGCAGACCATCCCGCCGGTCCATCCAGGTGAGA  
 CTGTGTTTCTGCCAGGTGTACCCCTGCCATGCATCCTGGACTCCTCACTCCTGAAGCCACGCAGCCA  
 CCTGGAAGGGCTGTTCTCAGCTCCCCGCCAGCCCAACAGCTCTCCTTCTGCGCAGTGGCTCCTGAAC  
 ATCCTCTACCTGCACATGCCTGACTGCCCGGTATCCCTGCTCCAGTGGCTGTTCCAGCTGCTGACATGGC  
 CTCCAGAAACATCTTGGGAGCCTTGGTCTTCTGTGGGATCTCATTGTGGATGGAATCTTCTTCCAGCC  
 TGATGAAGACAAGCAGCTGTGGTGGCCCTCACTGCAAGAAGTCAAGGAGGCATCCACAGCCTGGGTGCC  
 CACAGTCTGCCCTGTACCCTCTGGGGCCCTTTGGCACGGTGGCAGGGTGTCTCCAGCCGAGGCTGGCC  
 TGAATGAGAATGAGGAGCAGGACGCTCCCAAGAGATTGCCTTGGACATCAGCCTGGGCCACATCTACAA  
 GTTTCTGGCGCTGTGTGCCAGGCCAGCCGGGGCCTACACTGATGAGAACCTCATGGGACTGATTGAG  
 CTGCTGTGCCGACCCAGCCTGGACGTGGGGCTCCGCCTGCTGCCAAAGTTGACCTCCAGCAGCTTCTCC  
 TCTTGCTCCTGGAGAACATCCGGGAGTGGCCAGGGAAGCTCCAGGAACTGTGCTGCACCCTGAGCTGGGT  
 GTCTGACCACCACCACAACCTGTGGCCCTCGTGCAGTCTTCCAGACATGACCTCCCGGAGCAGGCGG  
 CTTGGAAGCCAGCTCAGCCTTGTGGTATTGCTCGAATGCTGGGCCAGCAGGAGATGCTCCCTCTGTC  
 AAGAGAAGACCCAGCTGTCTCGCTCAGCCGGCTCCTGGGCTCATGAGGCCATCATCTCTCAGGCAATA  
 CCTGGACTCTGTGCCCTTGCACCCTGCCAGGAGCAACAGCCAAAGGCTAGTGCCGAGCTAGACCACAAG  
 GCCTGCTACCTGTGCCACAGCTTGTGATGCTGGCCGGGTAGTTGTTAGCTGCCAGGACATCACTCCAG  
 ACCAGTGGGGCAGCTGCAGCTGCTGTGCATGCAGTTGGACCGCCACATCAGCACGAGATCCGGGAGAG  
 CCCCCAGGCCATGCACCCACCATGCTCAAGGACCTGGCTACCCAGACCTACATCCGTTGGCAGGAGCTG  
 CTGACCCACTGCCAGCCCCAGGCCAGTATTTAGCCCTGAAAAGACATC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG226059 representing NM\_001122646  
 Red=Cloning site Green=Tags(s)

MAGPQETVLALPLREGVQAAATVPILLYNLEDGLSDHPLDQGPRCPARRPCSPASAPAPTSPPKPKIQAP  
 GETFPTDWSPPPVEFLNPRVLQASREAPAQRWVGVGPQGLRRLAGELPEELEQEHLDLDPKRLALPEK  
 LFWNTSGLSQAAPEFSWGGSGSYFNLDYLLQEKREQALEQERERLLLQECLNLSLDLDEEEVPLTP  
 EHRMLVEKYSVSLQTIIPVHPGETVFLPRCHPLPCILDSSLLKPRSHLEGLFLSSPPAQQLSFLRSGLLN  
 ILYLHMPDCPVSLQWLFQLLTWPPETSLGAFGLLWDLIVDGIQLPDEDKHLWCPSLQEVREAFHSLGA  
 HSPALYPLGPFWHGGRVLPGEAGLNENEEQDAPQEIALDISLGHYKFLALCAQAQPGAYTDENLMGLIE  
 LLCRTSLDVGLRLLPKVDLQQLLLLLLENIREWPGKLELCTLSWVSDHHHNLALVQFFPDMTSRRR  
 LRSQSLVVIARMLGQQEMLPLWQEKTLSSLSRLGLMRPSSLRQYLDVPLPPCQEQPKASAELDHK  
 ACYLCHSLLMLAGVVVSCQDITPDQWGLQLLCMQLDRHISTQIRESPQAMHRMTLKDLATQTYIRWQEL  
 LTHCQPQAQYFSPWKDI

**TRTRPLE** – GFP Tag – V



<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001122646.1</a> , <a href="#">NP_001116118.1</a>
<b>RefSeq Size:</b>	2699 bp
<b>RefSeq ORF:</b>	2040 bp
<b>Locus ID:</b>	51252
<b>UniProt ID:</b>	<a href="#">Q8IXR5</a>
<b>Cytogenetics:</b>	2q11.2